
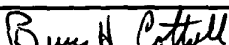


UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket No.: S-100,564	
		First Inventor or Application Identifier: Stephen R. Foltyn	
		Title: BUFFER LAYER FOR THIN FILM STRUCTURES	
		Express Mail Label No.: ET461825957US	
APPLICATION ELEMENTS		ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g. PTO/SB/17) (submit an original and a duplicate for fee processing) 2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. 3. <input checked="" type="checkbox"/> Specification [Total Pages: 15] <input checked="" type="checkbox"/> Descriptive title of the Invention <input type="checkbox"/> Cross References to Related Applications <input checked="" type="checkbox"/> Statement Regarding Fed sponsored R&D <input type="checkbox"/> Reference to sequence listing, a table or a computer program listing appendix <input checked="" type="checkbox"/> Background of the Invention <input checked="" type="checkbox"/> Brief Description of the Drawings (if filed) <input checked="" type="checkbox"/> Detailed Description <input checked="" type="checkbox"/> Claim(s) <input checked="" type="checkbox"/> Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawings(s) (35 U.S.C. 113) [Total Sheets: 2] <input type="checkbox"/> Formal <input checked="" type="checkbox"/> Informal 5. <input type="checkbox"/> Declaration & Power of Attorney [Total Pages:] a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 63(d) (for continuation/divisional with Box 16 completed) c. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33 (b).		6. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Copy b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statement verifying identity of above copies	
ACCOMPANYING APPLICATION PARTS			
8. <input type="checkbox"/> Assignment Papers (cover sheet & documentation) 9. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement <input type="checkbox"/> Power of (when there is an assignee) Attorney 10. <input type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449 Citations 11. <input type="checkbox"/> Preliminary Amendment 12. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (should be specifically itemized) 13. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 14. <input type="checkbox"/> Nonpublication Request and Certification Under 35 U.S.C. 122(b)(2)(b)(i) 15. <input type="checkbox"/> Other:			
16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application S.N. ____/____. Prior application information: Examiner: Group/Art Unit:			
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.			
16. CORRESPONDENCE ADDRESS			
<input type="checkbox"/> Customer Number or Bar Code Label		OR <input type="checkbox"/> Correspondence Address Below	
 35068 PATENT TRADEMARK OFFICE (Insert Customer No. or Attach Bar Code Label here)			
Name: Bruce H. Cottrell Address: Los Alamos National Laboratory LC/IP, MS A187 City: Los Alamos State: New Mexico Zip Code: 87545 Country: United States Telephone: (505) 665- Fax: (505) 665-4424			
Name (Print/Type): Bruce H. Cottrell		Registration No. (Attorney/Agent): 30,620	
Signature: 		Date: July 21, 2003	

 19587 W.S. PTO
 10/624855

07/21/03

FEE TRANSMITTAL For FY 2003				Complete if Known																																																																																																																									
<small>Patent fees are subject to annual revision (submit an original and a duplicate for fee processing)</small>				Application Number: _____ Filing Date: _____ First Named Inventor: Stephen R. Foltyn Examiner Name: _____ Group/Art Unit: _____ Attorney Docket No.: S-100,564																																																																																																																									
METHOD OF PAYMENT			FEE CALCULATION (continued)																																																																																																																										
1. <input checked="" type="checkbox"/> The commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: 12-2150 Deposit Account Name: <i>Los Alamos National Laboratory</i> <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17 <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			3. ADDITIONAL FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 15%;">Large Entity Fee</th> <th style="text-align: left; width: 15%;">Small Entity Fee</th> <th style="text-align: left; width: 55%;">Fee Description</th> <th style="text-align: right; width: 15%;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>\$130</td><td>\$65</td><td>Surcharge – late filing fee or oath</td><td></td></tr> <tr><td>\$50</td><td>\$25</td><td>Surcharge – late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>\$2,520</td><td>\$2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>\$110</td><td>\$55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>\$410</td><td>\$205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>\$930</td><td>\$465</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>\$1,450</td><td>\$725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>\$1,970</td><td>\$985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>\$320</td><td>\$160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>\$320</td><td>\$160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>\$280</td><td>\$140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>\$110</td><td>\$55</td><td>Petition to revive – unavoidable</td><td></td></tr> <tr><td>\$110</td><td>\$55</td><td>Terminal Disclaimer</td><td></td></tr> <tr><td>\$1,300</td><td>\$650</td><td>Petition to revive – unintentional</td><td></td></tr> <tr><td>\$130</td><td>\$130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>\$50</td><td>\$50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>\$180</td><td>\$180</td><td>Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>\$750</td><td>\$375</td><td>Filing a submission after final rejection (37 CFR 1.129 (a))</td><td></td></tr> <tr><td>\$750</td><td>\$375</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>\$100</td><td>\$100</td><td>Certificate of Correction</td><td></td></tr> <tr><td>\$300</td><td>\$300</td><td>Publication fee for early, voluntary, or normal publication</td><td></td></tr> <tr><td>\$750</td><td>\$375</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL (3)</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td colspan="3" style="text-align: right;"><small>Reduced by Basic Filing Fee Paid</small></td> <td></td> </tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL FROM 1</td> <td style="text-align: right;">\$375</td> </tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL FROM 2</td> <td style="text-align: right;">\$42</td> </tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL FROM 3</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td colspan="3" style="text-align: right;">TOTAL AMOUNT OF PAYMENT</td> <td style="text-align: right;">\$417</td> </tr> </tbody> </table>			Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid	\$130	\$65	Surcharge – late filing fee or oath		\$50	\$25	Surcharge – late provisional filing fee or cover sheet		\$2,520	\$2,520	For filing a request for reexamination		\$110	\$55	Extension for reply within first month		\$410	\$205	Extension for reply within second month		\$930	\$465	Extension for reply within third month		\$1,450	\$725	Extension for reply within fourth month		\$1,970	\$985	Extension for reply within fifth month		\$320	\$160	Notice of Appeal		\$320	\$160	Filing a brief in support of an appeal		\$280	\$140	Request for oral hearing		\$110	\$55	Petition to revive – unavoidable		\$110	\$55	Terminal Disclaimer		\$1,300	\$650	Petition to revive – unintentional		\$130	\$130	Petitions to the Commissioner		\$50	\$50	Petitions related to provisional applications		\$180	\$180	Submission of Information Disclosure Statement		\$750	\$375	Filing a submission after final rejection (37 CFR 1.129 (a))		\$750	\$375	For each additional invention to be examined (37 CFR 1.129(b))		\$100	\$100	Certificate of Correction		\$300	\$300	Publication fee for early, voluntary, or normal publication		\$750	\$375	Request for Continued Examination (RCE)		Other fee (specify) _____				SUBTOTAL (3)			\$0	<small>Reduced by Basic Filing Fee Paid</small>				SUBTOTAL FROM 1			\$375	SUBTOTAL FROM 2			\$42	SUBTOTAL FROM 3			\$0	TOTAL AMOUNT OF PAYMENT			\$417
Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid																																																																																																																										
\$130	\$65	Surcharge – late filing fee or oath																																																																																																																											
\$50	\$25	Surcharge – late provisional filing fee or cover sheet																																																																																																																											
\$2,520	\$2,520	For filing a request for reexamination																																																																																																																											
\$110	\$55	Extension for reply within first month																																																																																																																											
\$410	\$205	Extension for reply within second month																																																																																																																											
\$930	\$465	Extension for reply within third month																																																																																																																											
\$1,450	\$725	Extension for reply within fourth month																																																																																																																											
\$1,970	\$985	Extension for reply within fifth month																																																																																																																											
\$320	\$160	Notice of Appeal																																																																																																																											
\$320	\$160	Filing a brief in support of an appeal																																																																																																																											
\$280	\$140	Request for oral hearing																																																																																																																											
\$110	\$55	Petition to revive – unavoidable																																																																																																																											
\$110	\$55	Terminal Disclaimer																																																																																																																											
\$1,300	\$650	Petition to revive – unintentional																																																																																																																											
\$130	\$130	Petitions to the Commissioner																																																																																																																											
\$50	\$50	Petitions related to provisional applications																																																																																																																											
\$180	\$180	Submission of Information Disclosure Statement																																																																																																																											
\$750	\$375	Filing a submission after final rejection (37 CFR 1.129 (a))																																																																																																																											
\$750	\$375	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																											
\$100	\$100	Certificate of Correction																																																																																																																											
\$300	\$300	Publication fee for early, voluntary, or normal publication																																																																																																																											
\$750	\$375	Request for Continued Examination (RCE)																																																																																																																											
Other fee (specify) _____																																																																																																																													
SUBTOTAL (3)			\$0																																																																																																																										
<small>Reduced by Basic Filing Fee Paid</small>																																																																																																																													
SUBTOTAL FROM 1			\$375																																																																																																																										
SUBTOTAL FROM 2			\$42																																																																																																																										
SUBTOTAL FROM 3			\$0																																																																																																																										
TOTAL AMOUNT OF PAYMENT			\$417																																																																																																																										
FEE CALCULATION																																																																																																																													
1. BASIC FILING FEE <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 15%;">Large Entity Fee</th> <th style="text-align: left; width: 15%;">Small Entity Fee</th> <th style="text-align: left; width: 55%;">Fee Description</th> <th style="text-align: right; width: 15%;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>\$750</td><td>\$375</td><td>Utility filing fee</td><td>375</td></tr> <tr><td>\$750</td><td>\$375</td><td>Reissue filing fee</td><td></td></tr> <tr><td>\$160</td><td>\$80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL (1)</td> <td style="text-align: right;">\$375.00</td> </tr> </tbody> </table>			Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid	\$750	\$375	Utility filing fee	375	\$750	\$375	Reissue filing fee		\$160	\$80	Provisional filing fee		SUBTOTAL (1)			\$375.00																																																																																																							
Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid																																																																																																																										
\$750	\$375	Utility filing fee	375																																																																																																																										
\$750	\$375	Reissue filing fee																																																																																																																											
\$160	\$80	Provisional filing fee																																																																																																																											
SUBTOTAL (1)			\$375.00																																																																																																																										
2. EXTRA CLAIM FEES <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 15%;">Total Claims</th> <th style="text-align: left; width: 15%;">Extra Claims</th> <th style="text-align: left; width: 15%;">Fee from Fee Paid Below</th> <th style="text-align: left; width: 15%;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>-20** = 0</td> <td>0 X 0 = 0</td> <td></td> </tr> <tr> <td>4</td> <td>-3** = 1</td> <td>1 X 42 = 42</td> <td></td> </tr> <tr> <td colspan="4">Multiple Dependent =</td> </tr> </tbody> </table> <p><small>** or number previously paid, if greater; For Reissues, see below</small></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 15%;">Large Entity Fee</th> <th style="text-align: left; width: 15%;">Small Entity Fee</th> <th style="text-align: left; width: 55%;">Fee Description</th> <th style="text-align: right; width: 15%;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>\$18</td><td>\$9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>\$84</td><td>\$42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>\$280</td><td>\$140</td><td>Multiple dependent claim, if not paid.</td><td></td></tr> <tr><td>\$84</td><td>\$42</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>\$18</td><td>\$9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="3" style="text-align: right;">SUBTOTAL (2)</td> <td style="text-align: right;">\$42</td> </tr> </tbody> </table>			Total Claims	Extra Claims	Fee from Fee Paid Below	Fee Paid	20	-20** = 0	0 X 0 = 0		4	-3** = 1	1 X 42 = 42		Multiple Dependent =				Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid	\$18	\$9	Claims in excess of 20		\$84	\$42	Independent claims in excess of 3		\$280	\$140	Multiple dependent claim, if not paid.		\$84	\$42	** Reissue independent claims over original patent		\$18	\$9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)			\$42																																																																															
Total Claims	Extra Claims	Fee from Fee Paid Below	Fee Paid																																																																																																																										
20	-20** = 0	0 X 0 = 0																																																																																																																											
4	-3** = 1	1 X 42 = 42																																																																																																																											
Multiple Dependent =																																																																																																																													
Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid																																																																																																																										
\$18	\$9	Claims in excess of 20																																																																																																																											
\$84	\$42	Independent claims in excess of 3																																																																																																																											
\$280	\$140	Multiple dependent claim, if not paid.																																																																																																																											
\$84	\$42	** Reissue independent claims over original patent																																																																																																																											
\$18	\$9	** Reissue claims in excess of 20 and over original patent																																																																																																																											
SUBTOTAL (2)			\$42																																																																																																																										
SUBMITTED BY			Complete (if applicable)																																																																																																																										
Printed Name: Bruce H. Cottrell			Reg. No. 30,620																																																																																																																										
Signature: <i>Bruce H. Cottrell</i>			Date: 07/21/03 Telephone: (505)667-9168																																																																																																																										